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**COMBINED DECLARATION AND POWER OF ATTORNEY**  
(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT)

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As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name, I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **SYSTEM FOR RAPIDLY AND UNIFORMLY COOLING RESIST**

the specification of which

- (a) ☒ is attached hereto.
- (b) ☐ was filed on \_\_\_\_\_ as ☐ Serial No. 0 / \_\_\_\_\_ or  
Express Mail No. \_\_\_\_\_, as Serial No. not yet known, and was amended on \_\_\_\_\_  
(if applicable).
- (c) ☐ was described and claimed in PCT International Application No. \_\_\_\_\_  
filed  
on \_\_\_\_\_ and amended under PCT Article 19 on \_\_\_\_\_ (if any).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability in accordance with Title 37, Code of Federal Regulations §1.56(a).

**PRIORITY CLAIM**

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

- (d) ☒ no such applications have been filed.
- (e) ☐ such applications have been filed as follows.

**EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS  
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION**

COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 35, USC 119
_____	_____	_____	<input type="checkbox"/> Yes <input type="checkbox"/> No
_____	_____	_____	<input type="checkbox"/> Yes <input type="checkbox"/> No
_____	_____	_____	<input type="checkbox"/> Yes <input type="checkbox"/> No

**ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS  
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION**

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**POWER OF ATTORNEY**

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (List name and registration number)

Himanshu S. Amin, Reg. No. 40,894; Thomas G. Eschweiler, Reg. No. 36, 981; and  
Gregory Turocy, Reg. No. 36, 952.

Elizabeth A. Apperley, Reg. No. 36,428; Richard J. Roddy, Reg. No. 27,688;  
Bradley Botsch, Reg. No. 34,552; Paul S. Drake, Reg. No. 33,491;  
Michael Caywood, Reg. No. 37,797; and Harry A. Wolin, Reg. No. 32,638.

The undersigned to this declaration and power of attorney hereby authorizes the U.S. attorney(s) named herein to accept and follow instructions from

Name(s) of authorized representative(s) \_\_\_\_\_  
Address \_\_\_\_\_

as to any actions to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorney(s) and the undersigned. In the event of a change in the person(s) from whom instructions may be taken, the U.S. attorney(s) will be so notified by the undersigned.

**Send Correspondence To:**

Himanshu S. Amin  
AMIN, ESCHWEILER & TUROCY, L.L.P.  
24<sup>TH</sup> Floor, National City Center  
1900 East 9<sup>TH</sup> Street  
Cleveland, Ohio 44114

**Direct Telephone Calls To:**  
(name and telephone number)

Himanshu S. Amin  
  
(216) 696-8730

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued therein.

Full name of first or sole inventor, if any: Ramkumar Subramanian

Inventor's signature: 

Date: 9/26/00 Country of Citizenship: India

Residence: San Jose, California

Post Office Address: 4271 Norwalk Drive, Apt. X105

San Jose, California 95129

Full name of second or joint inventor: Bharath Rangarajan

Inventor's signature: 

Date: 9-27-00 Country of Citizenship: India

Residence: Santa Clara, California

Post Office Address: 2295 Dolores Avenue

Santa Clara, California 95050

CHECK FOR ANY OF THE FOLLOWING ADDED PAGE(S) WHICH  
FORM A PART OF THIS DECLARATION

X Signature for third and subsequent joint inventors.

Full name of third joint inventor: Michael K. Templeton  
Inventor's signature: *Michael K. Templeton*  
Date: 24-Oct-00 Country of Citizenship: U.S.  
Residence: Atherton, California  
Post Office Address: 80 Palmer Avenue  
Atherton, California 94027

X This declaration ends with this page.

# RECORDATION FORM COVER SHEET PATENTS ONLY

OMB No. 0651-011 (exp. 4/94)

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Ramkumar Subramanian  
Bharath Rangarajan  
Michael K. Templeton

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: 10/24/00; 9/26/00; 9/27/00

2. Name and address of receiving party(ies):

Name: Advanced Micro Devices

Internal Address: \_\_\_\_\_

Street Address: One AMD Place

P.O. Box 3453

City: Sunnyvale

State/Country: California ZIP: 94088-3453

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

10/24/00; 9/26/00

If this document is being filed together with a new application, the execution date of the application is: 9/27/00

A. Patent Application No.(s)

60/242,626

B. Patent No.(s)

Additional Numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Himanshu S. Amin

Internal Address: \_\_\_\_\_

Amin, Eschweiler & Turocy, LLP

Street Address: 24th Floor, National City Center

1900 E. 9th Street

City: Cleveland

State: Ohio ZIP: 44114

6. Total number of applications and patents involved: ☒ 1

7. Total fee (37 CFR 3.41) .....\$ 40.00

☒ Enclosed

☐ Authorized to be charged to deposit account

8. Deposit account number:

50-1063

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Himanshu S. Amin

Name of Person Signing



Signature

November 6, 2000

Date

Reg. No. 40,894 Total number of pages including cover sheet attachments, and document: ☒ 5

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

11/09/2000 VYANG1 00000014 09707413

04 FC:581

40.00 OP

ASSIGNMENT

For good and valuable consideration received of the hereinafter named assignee, receipt of which is hereby acknowledged, the undersigned

Ramkumar Subramanian  
4271 Norwalk Drive, Apt. X105  
San Jose, California 95129

Michael K. Templeton  
80 Palmer Avenue  
Atherton, California 94027

Bharath Rangarajan  
2295 Dolores Avenue  
Santa Clara, California 95050

hereby sell and assign to ADVANCED MICRO DEVICES, INC., a corporation of Delaware having a place of business at One AMD Place, P.O. Box 3453, Sunnyvale, California 94088-3453, U.S.A., its successors and assigns, the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries, in and to the inventions entitled

SYSTEM FOR RAPIDLY AND UNIFORMLY COOLING RESIST

for which application for United States Letters Patent has been filed on \_\_\_\_\_ under Serial No. \_\_\_\_\_, or was executed by the undersigned on the date below and is being filed concurrently herewith, said application for United States Letters Patent, any and all other applications for Letters Patent on said inventions in countries foreign to the United States, including all divisional, renewal, substitute, continuation and Convention applications based in whole or in part upon said inventions or upon said applications, and any and all Letters Patent and reissues and extensions of Letters Patent granted for said inventions or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said applications and said Letters Patent; said assignee being hereby authorized to file patent applications in any or all countries on any or all said inventions in the name of the undersigned or in the name of said assignee or otherwise as said assignee may deem advisable, under the International Convention or otherwise; the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments being hereby authorized to issue or transfer all said Letters Patent to said assignee in accordance herewith; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right heretofore given, and that the undersigned will do all acts reasonably serving to assure that said inventions, patent applications and Letters Patent shall be held and enjoyed by said assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to said assignee all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, and lawful affidavits in form and substance which may be requested by said assignee, to furnish said assignee with all facts relating to said inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may be useful for establishing the facts of conception, disclosure and reduction to practice of said inventions, and to testify in any proceedings relating to said inventions, patent applications and Letters Patent.

Signed:

Date:

Ramkumar Subramanian  
Ramkumar Subramanian

9/26/00

**CERTIFICATE OF ACKNOWLEDGEMENT**

State of California

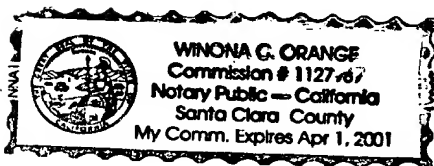
County of Santa Clara

On 9/26/00 before me, Winona C. Orange, Notary Public  
Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared Ramkumar Subramanian

Name(s) of Signer(s)

☒ personally known to me - OR - ☒ proved to me  
on the basis of satisfactory evidence to be the  
person whose name is subscribed to the within  
instrument and acknowledged to me that he  
executed the same in his authorized capacity, and  
that by his signature on the instrument the person,  
or the entity upon behalf of which the person  
acted, executed the instrument.



WITNESS my hand and official seal.

Winona C. Orange  
Signature of Notary Public

Signed:

Date:

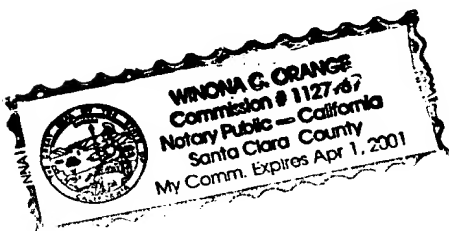


Bharath Rangarajan

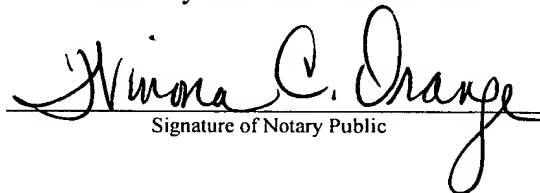
9-27-00**CERTIFICATE OF ACKNOWLEDGEMENT**State of CaliforniaCounty of Santa ClaraOn 9/27/00 before me, Winona C. Orange, Notary Public  
Name and Title of Officer (e.g., "Jane Doe, Notary Public")personally appeared Bharath Rangarajan

Name(s) of Signer(s)

☒ personally known to me OR ☒ proved to me  
on the basis of satisfactory evidence to be the  
person whose name is subscribed to the within  
instrument and acknowledged to me that he  
executed the same in his authorized capacity, and  
that by his signature on the instrument the person,  
or the entity upon behalf of which the person  
acted, executed the instrument.



WITNESS my hand and official seal.

  
Signature of Notary Public

Signed:

Date:

Michael K. Templeton 24 Oct 00  
Michael K. Templeton

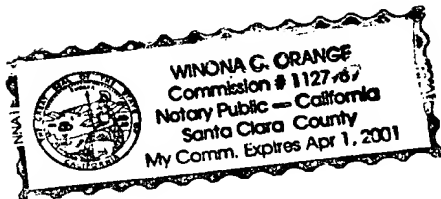
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Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared Michael K. Templeton

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on the basis of satisfactory evidence to be the  
person whose name is subscribed to the within  
instrument and acknowledged to me that he  
executed the same in his authorized capacity, and  
that by his signature on the instrument the person,  
or the entity upon behalf of which the person  
acted, executed the instrument.



WITNESS my hand and official seal.

Winona C. Orange  
Signature of Notary Public